

## What is ACM?

AEP Networks Auto Configuration Manager (ACM) is able to operate in any IP or non IP network infrastructures, including leased circuits, wireless and VSAT, to provide automatic network configuration and rapid system installations. ASR combines hardware, software and configuration elements to present organisations with an alternative and guaranteed cost saving solution to remotely manage complex end to end system and configuration schemes.

**ACR** stores the software and a description of the network configuration with the unique parameters so configurations for each node are built in real time.

**ACM** simplifies the role of network planning and configuration teams, it significantly improves network utilisation and efficiency helping to reduce costs and improve efficiency.

Developed to simplify customer management with "Zero Touch" configuration functionality. ACM dynamically builds the configuration file and makes it available to the managed network, thereby ensuring that all network nodes are kept at the latest configuration standard at all times, simplifying the management of the network infrastructure and eliminating the need to reconfigure essential services.



## Applications:

The solution enables the centralised control and commissioning of any nodes across the entire network infrastructure. All nodes in the network are kept in synchronisation with the most up to date configuration files, reducing downtime due to configuration mismatch and incompatibility errors. Systems that have configuration problems can be controlled centrally with configuration tables managed from HQ or central hub locations.

The solution greatly reduces the costs associated with transporting expensive engineering resources to repair, install and configure replacement equipment in failure and replacement circumstances. In many cases existing remote-site personnel are able to activate the network component with a quick and simple phone call, advising the service centre of the component identification number, located on the node casing. Once connected onto the network, ACM does the rest, auto-detecting the new network component and automatically downloading the necessary configuration files and operating system software and activating the module.

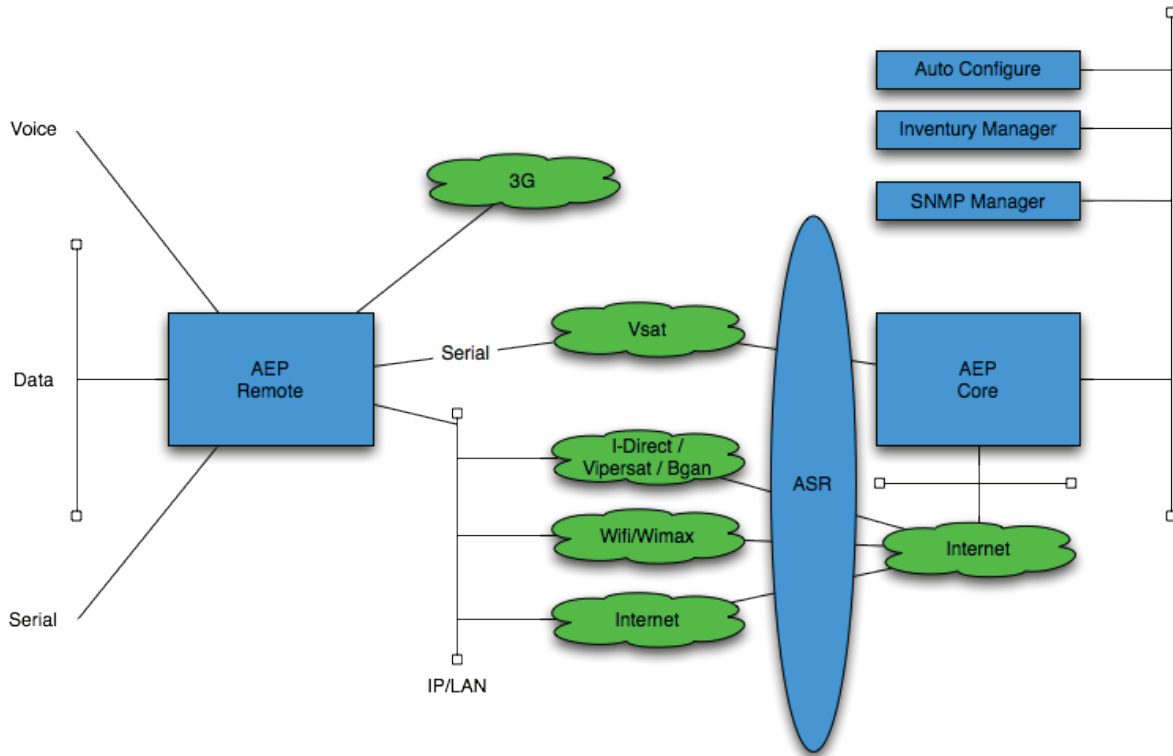
## Plug and Play

ACM builds and stores the network configuration software and inventory information of the complete network infrastructure and so new service commissioning is achievable in very short timescales.

Once the new equipment is registered into the ACM server, it can be shipped to the site and connected into the network. When the equipment is powered up, it will find its way back to the HUB, no matter where it is located. The ACM server will then download the configuration and operating system software to the remote router.

## System security

The ACM server takes control of any system change configuration. An alert mail will be triggered when there are local configuration changes - this happens for example when an on-site engineer makes a change to the configuration.



The diagram shows the basic ACM Schematic

ACM provides customers with a reliable capability for time-critical system installation or system maintenance services:

## Benefits

- Quick service to market
- Reduction in operational expenditure
- Minimum downtime
- Lower skill-set requirement
- Centralised technical skill sharing
- Hybrid network infrastructure support
- Global availability (only limited by network infrastructure)

## Features

- Central control and simple management and configuration for all network nodes at the hub and at the edge/remote locations.
- Integrates into any network infrastructure, not only AEP
- Provides rapid system provisioning and maintenance.
- Fully redundant and scalable.
- Zero-touch configuration.

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